

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/686,157
Source: IFWO
Date Processed by STIC: 3/10/05

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IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/686,157

DATE: 03/10/2005
TIME: 09:25:44

Input Set : A:\UCL034UScip ST25.txt
Output Set: N:\CRF4\03102005\J686157.raw

3 <110> APPLICANT: UNIVERSITE CATHOLIQUE DE LOUVAIN
4 UNIVERSITE DE MONS-HAINAUT
6 <120> TITLE OF INVENTION: Peroxisome-associated polypeptide, nucleotide sequence
encoding
7 said polypeptide and their uses in the diagnosis and/or treatment
8 of lung injuries and diseases, and of oxidative stress-related
9 disorders
11 <130> FILE REFERENCE: DECLE30.001CP1
13 <140> CURRENT APPLICATION NUMBER: US 10/686,157
14 <141> CURRENT FILING DATE: 2003-10-15
16 <150> PRIOR APPLICATION NUMBER: US 6,759,194
17 <151> PRIOR FILING DATE: 2000-08-15
19 <150> PRIOR APPLICATION NUMBER: PCT/BE98/00124
20 <151> PRIOR FILING DATE: 1998-08-20
22 <150> PRIOR APPLICATION NUMBER: BE 1011331
23 <151> PRIOR FILING DATE: 1997-08-20
25 <160> NUMBER OF SEQ ID NOS: 21
27 <170> SOFTWARE: PatentIn version 3.3
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 805
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
34 <400> SEQUENCE: 1
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37 ctgagacgct cagcgggcta tataactcgtc ggtggggccg gcggtcagtc tgcggcagcg 120
39 gcagcaagac ggtgcagtga aggagagtgg gcgtctggcg gggccgcag tttcagcaga 180
41 gccgctgcag ccatggcccc aatcaaggtg ggagatgcca tcccagcagt ggaggtgtt 240
43 gaagggggc cagggAACAA ggtgaacctg gcagagctgt tcaagggcaa gaaggggttg 300
45 ctgtttggag ttcctggggc cttcacccct ggatgttcca agacacacact gccaagggttt 360
47 gtggagcagg ctgaggctct gaaggccaaag ggagttccagg tggccgcctg tctgagtgtt 420
49 aatgatgcct ttgtgactgg cgagtggggc cgagcccaca aggccgaaagg caaggttcgg 480
51 ctccctggctg atcccaactgg ggcctttggg aaggagacag acttattact agatgattcg 540
53 ctgggtgtcca tctttggaa tcgacgtctc aagagttct ccatggtggt acagatggc 600
55 atagtgaagg ccctgaatgt ggaaccagat ggcacaggcc tcacccctgcag cctggcaccc 660
57 aatatcatct cacagctctg aggccctggg ccagattact tcctccaccc ctccctatct 720
59 cacctgccc a ccctgtgtct gggccctgc aattgaaatg ttggccagat ttctgcaata 780
61 aacacttgtg gtttgcggaa aaaaa 805
64 <210> SEQ ID NO: 2
65 <211> LENGTH: 162
66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 2
71 Met Ala Pro Ile Lys Val Gly Asp Ala Ile Pro Ala Val Glu Val Phe
72 1 5 10 15

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75 Glu Gly Glu Pro Gly Asn Lys Val Asn Leu Ala Glu Leu Phe Lys Gly
 76 20 25 30
 79 Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe Thr Pro Gly Cys
 80 35 40 45
 83 Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala Glu Ala Leu Lys
 84 50 55 60
 87 Ala Lys Gly Val Gln Val Val Ala Cys Leu Ser Val Asn Asp Ala Phe
 88 65 70 75 80
 91 Val Thr Gly Glu Trp Gly Arg Ala His Lys Ala Glu Gly Lys Val Arg
 92 85 90 95
 95 Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Glu Thr Asp Leu Leu
 96 100 105 110
 99 Leu Asp Asp Ser Leu Val Ser Ile Phe Gly Asn Arg Arg Leu Lys Arg
 100 115 120 125
 103 Phe Ser Met Val Val Gln Asp Gly Ile Val Lys Ala Leu Asn Val Glu
 104 130 135 140
 107 Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro Asn Ile Ile Ser
 108 145 150 155 160
 111 Gln Leu
 115 <210> SEQ ID NO: 3
 116 <211> LENGTH: 780
 117 <212> TYPE: DNA
 118 <213> ORGANISM: Rattus rattus
 120 <400> SEQUENCE: 3
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 123 gcaggcagag caggccggaa aggagcaggt tggagatgtg gtggggcccg cagttcagc 120
 125 agtgcgcgg tgactatggc cccgatcaag gtggagaca ccattccctc agtggaggt 180
 127 ttgragggg aacctggaaa gaaggtgaac ttggcagagc tggcaagga caagaaagg 240
 129 gttttgtttg gagtccttgg ggcatttaca cctggctgtt ccaagacca tctgcctgg 300
 131 ttgtggagc aagccggagc tcygaaggcc aaggagcac aagtggggc ctgtctgagt 360
 133 gttaatgtat ycttctgtac tgcagagtgg ggtcgagccc accaggcaga agccaagg 420
 135 cagtccttgg ctgacccac tggagcttt ggaaaggaga cagatttact actagatgat 480
 137 tctttgtgt ctctctttgg gaatcgttgg ctaaaaaggt tctccatggt gatagacaag 540
 139 ggcgtatcaa aggcactgaa cgtggagccg gatggcacag gcctcacctg cagcctggcc 600
 141 cccaacatcc tctcacaact ctgaggccct gaccagaatg tcctctgact ctcccatctc 660
 143 ctccacccag ctctgggcca aaggcccagt acctccttac ctgaggggcca ctggaatgga 720
 145 accttgacaa tatttctgca ataaaacagtt taatttgtga aaaaaaaaaa aaaaaaaaaa 780
 148 <210> SEQ ID NO: 4
 149 <211> LENGTH: 162
 150 <212> TYPE: PRT
 151 <213> ORGANISM: Rattus rattus
 154 <220> FEATURE:
 155 <221> NAME/KEY: MISC_FEATURE
 156 <222> LOCATION: (17)..(17) /
 157 <223> OTHER INFORMATION: X = E or G
 159 <220> FEATURE:
 160 <221> NAME/KEY: MISC_FEATURE
 161 <222> LOCATION: (63)..(63) /
 162 <223> OTHER INFORMATION: X = L or P

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164 <220> FEATURE:
 165 <221> NAME/KEY: MISC_FEATURE
 166 <222> LOCATION: (79)..(79) /
 167 <223> OTHER INFORMATION: X = L or P
 169 <400> SEQUENCE: 4
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 172 1 5 10 15
 W--> 175 Xaa Gly Glu Pro Gly Lys Val Asn Leu Ala Glu Leu Phe Lys Asp
 176 20 25 30
 179 Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe Thr Pro Gly Cys
 180 35 40 45
 183 Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala Gly Ala Xaa Lys
 184 50 55 60
 187 Ala Lys Gly Ala Gln Val Val Ala Cys Leu Ser Val Asn Asp Xaa Phe
 188 65 70 75 80
 191 Val Thr Ala Glu Trp Gly Arg Ala His Gln Ala Glu Gly Lys Val Gln
 192 85 90 95
 195 Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Glu Thr Asp Leu Leu
 196 100 105 110
 199 Leu Asp Asp Ser Leu Val Ser Leu Phe Gly Asn Arg Arg Leu Lys Arg
 200 115 120 125
 203 Phe Ser Met Val Ile Asp Lys Gly Val Val Lys Ala Leu Asn Val Glu
 204 130 135 140
 207 Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro Asn Ile Leu Ser
 208 145 150 155 160
 211 Gln Leu
 215 <210> SEQ ID NO: 5
 216 <211> LENGTH: 675
 217 <212> TYPE: DNA
 218 <213> ORGANISM: Mus musculus
 220 <400> SEQUENCE: 5
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 223 gtggcggagc cgcagcttc agcagctccg cggtgaccat ggcccgatc aaggtggag 120
 225 atgccattcc ctcagtgag gtatttgaag gggAACGGGG aaagaaggtg aacttggcag 180
 227 agctgttcaa gggcaagaaa ggtgtttgtt ttggagtcgg tggggcattt acacctggct 240
 229 gttctaagac ccacctgcct gggtttgtgg agcaagctgg agctctgaag gctaaggag 300
 231 cgcaggtggt ggcctgtctg acgttaatg acgtctttgt gattgaagag tggggtcgag 360
 233 cccaccaggc agaaggcaag gtcggctcc tggctgaccc cactggagcc tttgggaagg 420
 235 cgacagactt attattggat gattctttgg tgcctctttt tgggaatcgt cggctgaaaa 480
 237 ggttctccat ggtgatagac aacggcatag tgaaggcact gaacgtggag ccagatggca 540
 239 caggcctcac ctgcagctg gcccccaaca tcctctccca actctggagc cctggccaga 600
 241 tgtcctctga ctctccatc tctcccaccc ggctcttaggc caaaaggctc ggtacctcct 660
 243 tactgggagc cacgt 675
 246 <210> SEQ ID NO: 6
 247 <211> LENGTH: 162
 248 <212> TYPE: PRT
 249 <213> ORGANISM: Mus musculus
 251 <400> SEQUENCE: 6
 253 Met Ala Pro Ile Lys Val Gly Asp Ala Ile Pro Ser Val Glu Val Phe

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254 1 5 10 15
257 Glu Gly Glu Pro Gly Lys Lys Val Asn Leu Ala Glu Leu Phe Lys Gly
258 20 25 30
261 Lys Lys Gly Val Leu Phe Gly Val Pro Gly Ala Phe Thr Pro Gly Cys
262 35 40 45
265 Ser Lys Thr His Leu Pro Gly Phe Val Glu Gln Ala Gly Ala Leu Lys
266 50 55 60
269 Ala Lys Gly Ala Gln Val Val Ala Cys Leu Ser Val Asn Asp Val Phe
270 65 70 75 80
273 Val Ile Glu Glu Trp Gly Arg Ala His Gln Ala Glu Gly Lys Val Arg
274 85 90 95
277 Leu Leu Ala Asp Pro Thr Gly Ala Phe Gly Lys Ala Thr Asp Leu Leu
278 100 105 110
281 Leu Asp Asp Ser Leu Val Ser Leu Phe Gly Asn Arg Arg Leu Lys Arg
282 115 120 125
285 Phe Ser Met Val Ile Asp Asn Gly Ile Val Lys Ala Leu Asn Val Glu
286 130 135 140
289 Pro Asp Gly Thr Gly Leu Thr Cys Ser Leu Ala Pro Asn Ile Leu Ser
290 145 150 155 160
293 Gln Leu
297 <210> SEQ ID NO: 7
298 <211> LENGTH: 469
299 <212> TYPE: DNA
300 <213> ORGANISM: Homo sapiens
302 <400> SEQUENCE: 7
303 gggtatggga ctagctggcg tgcgcgcct gagacgctca gggggctata tactcgctgg 60
305 tggggccggc ggtcagtctg cggcagcggc agcaagacgg tgcagtgaag gagagtggc 120
307 gtctggcggtt gtccgcagtt tcagcagagc cgctgcagcc atggcccaa tcaagggtcg 180
309 gctcctggct gatcccactg gggcctttgg gaaggagaca gacttattac tagatgattc 240
311 gctgggtgtcc atctttggga atcgacgtct caagaggtt tccatggtgg tacaggatgg 300
313 catagtgaag gcccgtaatg tggaccaga tggcacaggc ctcacctgca gcctggcacc 360
315 caatatcatc tcacagctt gaggccctgg gccagattac ttccctccacc cctccctatc 420
317 tcacctgccc agccgtgtc tggggccctgg caatttggat gttggccag 469
320 <210> SEQ ID NO: 8
321 <211> LENGTH: 601
322 <212> TYPE: DNA
323 <213> ORGANISM: Homo sapiens
325 <400> SEQUENCE: 8
326 gggtatggga ctagctggcg tgcgcgcct gagacgctca gggggctata tactcgctgg 60
328 tggggccggc ggtcagtctg cggcagcggc agcaagacgg tgcagtgaag gagagtggc 120
330 gtctggcggtt gtccgcagtt tcagcagagc cgctgcagcc atggcccaa tcaagacaca 180
332 cctgcccagggtttgtggagc aggctgaggc tctgaaggcc aaggaggttcc aggtgggtggc 240
334 ctgtctgagt gttaatgttgc cttttgtgac tggcgagtttgg gggcgagccc acaaggcgga 300
336 aggcaagggtt cggctccctgg ctgtatcccac tggggccctttt gggaaaggaga cagacttatt 360
338 actagatgtatcgtgttgc ccatctttgg gaatcgacgt ctcaagaggt tctccatgg 420
340 ggtacaggat ggcatagtga aggccctgaa tggtaacca gatggcacag gcctcacctg 480
342 cagcctggca cccaaatatca tctcacagct ctgaggccctt gggccagatt acttccctcca 540
344 cccctcccta tctcacctgc ccagccctgt gctggggccc tgcaatttggat atgttggcc 600
346 g 601

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Input Set : A:\UCL034UScip ST25.txt
 Output Set: N:\CRF4\03102005\J686157.raw

349 <210> SEQ ID NO: 9
 350 <211> LENGTH: 604
 351 <212> TYPE: DNA
 352 <213> ORGANISM: Homo sapiens
 354 <400> SEQUENCE: 9

355	gggtatggga	ctagctggcg	tgtgcgcctt	gagacgctca	gcgggctata	tactcgctgg	60
357	tggggccggc	ggtcagtctg	cggcagcggc	agcaagacgg	tgcagtgaag	gagagtgggc	120
359	gtctggcggg	gtccgcagtt	tcaagcagagc	cgctgcagcc	atggcccaa	tcaaggtggg	180
361	agatgccatc	ccagcagtttgg	agggttttga	aggggagcca	gggaacaagg	tgaacctggc	240
363	agagctgttc	aaggcaaga	agggtgtgtt	gtttggagtt	cctggggctt	tcacccctgg	300
365	atgttccaag	gttcggctcc	tggctgatcc	cactggggcc	tttgggaagg	agacagactt	360
367	attactagat	gattcgttgg	tgtccatctt	tggaaatcga	cgtctcaaga	ggttctccat	420
369	ggtggtacag	gatggcatag	tgaaggccct	gaatgtggaa	ccagatggca	caggcctcac	480
371	ctgcagcctg	gcacccaata	tcatctcaca	gctctgaggc	cctggccag	attacttctt	540
373	ccacccctcc	ctatctcacc	tgcccagccc	tgtgtctggg	ccctgcaatt	ggaatgttgg	600
375	ccag						604
378	<210>	SEQ ID NO: 10					
379	<211>	LENGTH: 2710					
380	<212>	TYPE: DNA					
381	<213>	ORGANISM: Homo sapiens					
383	<400>	SEQUENCE: 10					
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386	ccatggcgaa	ttcccoacctt	tctgtcttcc	actcaacttcc	tggaaaccgtc	cccaaggccct	120
388	tggaccttcc	cccttctcct	cccaaaccctt	gtgagacccc	attcccttcc	tacttcatcc	180
390	tgctctcaac	ttttgggctc	ctcagaggcc	ctcacccctg	actctcttc	cctacccact	240
392	ctggtcccat	gaagccctca	agtactctgg	ggatggatcc	ttcccccttc	aaaagattcc	300
394	ttcttttgtt	ctacacctcc	tgggtgttagg	ggcctggaca	ccctcccca	acgttccacc	360
396	tgccgctgcc	cttcctcttc	ctcctcctga	gggtgggacc	ctcagacactg	gccaagatcc	420
398	tctccctcca	tgttgcagg	gactcctctt	caccccaaa	tacagccctc	tagccctgt	480
400	ccattttatt	ccactccctt	cctgttaact	agacagcatg	ttatgcaacc	cttgcgaca	540
402	catggggaaa	ccttccttcc	cttcctctgt	tgtcaccaat	ggcccttaa	gaggagcagg	600
404	gcccacctga	aacttggagg	atatggggtt	acccagtggg	agcgggcagg	gagggccctt	660
406	ggaaaactgac	agggctggag	tatcctgctg	ggttcagcc	ccggttcctg	caggcacagc	720
408	tgccaggctc	tctgttcacc	tctctgcctc	tggtttgcctt	cggcccttc	acccccccta	780
410	ccctggagtc	cttccttcta	ggtgggagat	gccatcccag	cagtggaggt	gtttaaggg	840
412	gagccagggaa	acaaggtgaa	cctggcagag	ctgttcaagg	gcaagaaggg	tgtgtgttt	900
414	ggagttcctg	gggcottcac	ccctggatgt	tccaaggtga	ggcccttccc	tttctgaaga	960
416	tcaggacctg	gggatctttt	gtgttgctct	taagtcccttcc	acatagtcct	gataggact	1020
418	ctaaaaagca	tttcagtgcc	atcacaaaac	aagttagagct	gggttagagct	gggcgcgggt	1080
420	gctcacgcct	gtaatcccag	cactttggga	ggccaaaggcg	ggtggtatcac	gaggtcagga	1140
422	gtccaaaacc	agcctggcca	agatgggtt	accctgtctc	tactaaaaat	gaaaaaaaaat	1200
424	cagccggata	tgggtggcggg	cgcctgttaat	cccaaggatt	ggggaggctg	aggcagagaa	1260
426	ttgcttgaac	ccaggaggcg	taggttgcag	tgagtggaga	tcgtgcctct	gcagtccagc	1320
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430	ctgcaaaaag	ggaacagttac	cgggaaatgtt	ggagaaaaac	atactacaat	taaatccaaac	1440
432	acccctgttg	gtcctgtctaa	atgacaggca	ctgttggagg	tgcttggac	tcagataaaat	1500
434	aagacaaaga	tctgcccata	gaaagttcac	gtctggacca	taaggcatta	ggtttcatcc	1560
436	ttagcttcot	agtggccaag	gcaaaaagga	aatagaatgg	tttagacagc	tctattgtc	1620
438	ttagtcaaagg	tgttgaggca	gagcactgag	gagggcctgg	agataaaaggg	tgggctgggg	1680

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/10/2005
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#: 4; Xaa Pos. 17, 63, 79

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:11

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L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16

M:341 Repeated in SeqNo=4